

## A circular black and white stamp. The text "OIPET IAPAB" is curved along the top inner edge. The text "PATENT &amp; TRADEMARK OFFICE" is curved along the bottom inner edge. In the center, the date "SEP. 20 2006" is printed.

The diagram illustrates the architecture of a mobile station (300) and a base station (400) for a mobile communication system. The mobile station (300) includes a RECEPTION RADIO SECTION (54), a DESPREADING SECTION (56), a DEMODULATION SECTION (58), and a DECODING SECTION (60). It also features a TPC COMMAND EXTRACTION SECTION (62) that receives signals from the demodulation and decoding sections. The base station (400) includes a TRANSMISSION RADIO SECTION (80), a SPREADING SECTION (78), a MODULATION SECTION (76), and a CODING SECTION (74). It also has an OFFSET EXTRACTION SECTION (68), a TPC COMMAND GENERATION SECTION (66), an SIR MEASUREMENT SECTION (64), an HO JUDGMENT SECTION (70), and an OFFSET CALCULATION SECTION (72). The system is connected to an antenna (52) and an HO INFORMATION source. Signal flow is indicated by arrows, showing the path of data and control signals between the various sections and the external components.

**FIG. 6**